



**NORTHWEST POWER
NORTHWEST VALUES**

Job Title & Series: Power System Control Craftsman Trainee	Job Announcement Number: 9353-11-DE-A1*
Grade & Hourly Wage Rate**: BB-2604: \$39.70 per hour <i>**In addition to the wage rate, BPA currently pays a 3.16% differential per hour for each non-overtime hour worked. This differential is separate from other premiums that are paid under the negotiated collective bargaining agreement.</i>	Opens: 09/23/2011 *Closes: 10/20/2011 <i>(Applications must be received by 11:59 p.m. Pacific Time)</i> <i>*This position will remain open thirty (30) calendar days. While we will maintain the posting this entire period on our Web site, it will only remain posted on USAJobs for the period allowed by that Web site.</i>
Anticipated number of positions to be filled: More than one position may be filled.	Location: Throughout Oregon, Washington, Idaho and Montana
Type of Position: This is a Permanent position with a full-time work schedule.	Benefits: BPA offers a comprehensive benefits package. http://www.jobs.bpa.gov/Benefits/

***AMENDMENT: This announcement has been amended to remove the Service Agreement requirement. All other information remains the same.**

Eligibility

All United States citizens are eligible to apply.

NOTE: You must submit separate and complete application packages for each vacancy for which you would like to be considered.

About BPA

The Bonneville Power Administration has been powering people and careers for nearly 75 years. We are a non-profit federal agency that provides clean, emissions-free electricity to the Pacific Northwest and maintains a high voltage transmission system to deliver that electricity. We are a leader in sustainability and environmental stewardship, promoting energy efficiency, renewable energy, the smart grid, fish and wildlife protection and initiatives to address climate change. We are a visionary and innovative agency that values diversity and creativity and encourages continuous learning. We are located throughout the Pacific Northwest with opportunities in cities, smaller communities and rural areas. You can learn more about BPA at www.bpa.gov.

Job Summary & Major Duties

The Power System Control (PSC) Craftsman Trainee is an advanced journeyman level technician position (not an apprenticeship position), using experience gained to perform preventive, corrective and emergency maintenance in electronics to maintain power system control equipment. The BPA PSC Craftsman Trainee Program requires the employee to complete a formal training program that orients them to the specific communication equipment and systems utilized in Bonneville Power Administration.

Key Requirements

- This position has a good driving selective factor, which will serve as a screen-out element. Selectee will be required to submit an updated driving record prior to appointment.
- CONDITIONS of EMPLOYMENT. Applicants must consent to the willingness to commit to each "condition of employment" identified in the vacancy announcement in the application package. Failure to address each condition of employment, or unwillingness on any condition, will result in a determination of not qualified.
- 6 – 10 nights of overnight travel per month.
- Meet the physical requirements of the position.
- Technical interviews will be required for all candidates determined qualified.
- Establish Residence: In accordance with negotiated requirements, that is within one hour or less commuting time under normal weather and road conditions, to the duty station headquarters.
- Must sign a Mobility Agreement (upon completion of training, may be reassigned to location of management's choosing).

Physical Requirements

Incumbents must be physically and mentally able to efficiently perform the essential duties of the position, with or without reasonable accommodation, without hazard to themselves or others.

Essential Functions (those duties encompassed in a job which are indispensable and comprise the gist or substance of the job):

This position requires significant physical activity. The individual selected must be able to travel by car or tracked vehicle to remote locations and once at those remote locations maneuver themselves to service the equipment. The work requires frequent: standing, sitting, walking, leg/foot use, bending/stooping/twisting, and grasping of small tools. The employee is required to occasionally: climb stairs and ladders, balance while moving, lift and carry equipment ranging from an average of ten pounds to a maximum of sixty pounds, push or pull equipment into position up to 80 pounds, reach overhead to perform work, and crouching to access confined spaces or areas close to the floor.

Working Conditions

Most of the work is indoors although some of the power line carrier and mobile radio work is outside. Work may involve occasional travel to remote sites, and exposure in all kinds of weather. Repair work or other emergency work may be required at any time of a 24-hour day. Voltages up to several thousand volts may be present in some types of equipment. Some of the work is performed around moving machinery in the auxiliary power equipment. The work may involve driving maintenance vehicles over steep and narrow mountain roads. Work may involve working alone and possibly in isolated locations. The work environment will occasionally include high noise levels, or exposure to toxic or hazardous substances (i.e., acids, solvents, etc.) that could, if precautions are not followed, pose a health risk. Proper respiratory and safety equipment shall be worn when hazardous substances are being handled.

Qualifications

Please describe your experience and thoroughly address the elements below within your resume, cover letter, and/or other supporting material. You are strongly encouraged to submit the attached Supplemental Questionnaire as part of your application package. If you meet the minimum qualification standards for the position, you will be further evaluated to determine the appropriate Category Rating: Best Qualified, Highly Qualified, or Qualified. Within these categories, applicants eligible for veteran's preference will receive selection priority.

From your application packet, we must be able to determine that you have direct experience, education, and/or training sufficient to perform the following job elements:

JOB ELEMENTS:

Element 1. ABILITY TO PERFORM THE WORK OF A PSC CRAFTSMAN TRAINEE 5 WITHOUT MORE THAN NORMAL SUPERVISION.

Element 1 is a screen out element for PSC Craftsman Trainee.

Element 2. Knowledge of the Assembly, Adjustment, and Repair of Electronic Communication Equipment.

Element 3. Use of Electronic Test Equipment.

Element 4. Knowledge of Electronic Communication Theory.

Element 5. Knowledge of electronic equipment and troubleshooting procedures.

SELECTIVE PLACEMENT FACTORS

Good Driving Record: This position requires a good driving record. Candidates with a poor driving record will be immediately disqualified from consideration (as per definition of Disqualifying Driving Records below*).

Applicants must submit a copy of their complete Non-Employment driving record (obtained from the Department of Motor Vehicles, covering the past 3 years and dated within the last 90 days). Failure to submit your current driving record will result in not receiving consideration. If selected, you will be required to maintain a valid state driver's license.

*Disqualifying Driving Records: Within the past three years, any of the following conditions disqualify an applicant for a U.S. Government Motor Vehicle Authorization:

- A. Conviction for operating a motor vehicle under the influence of alcohol or a controlled substance.
- B. Conviction for leaving the scene of an accident without making his or her identity known.
- C. Driver's license suspended, revoked or canceled.
- D. Any recurrent record of auto accidents/incidents, traffic violations, or arrests, which demonstrate that the applicant does not have an adequate sense of responsibility. This may be shown by any of the following:

- Auto Accidents/Incidents
- Traffic Arrests
- Conviction for fleeing or attempting to elude a police officer.
- Conviction for a felony involving the use of a motor vehicle.
- Two or more accidents in which the applicant was at fault.
- Two or more excessive speeding violations (15 miles per hour or more over the posted limit).
- Four or more moving or traffic violations (including speeding).

ADDITIONAL REQUIREMENTS

If selected, you will be required to pass an Advanced level pre-appointment background investigation and physical examination. Pre-employment drug and alcohol testing and post-employment random drug and alcohol testing may be required, dependant upon location under the jurisdiction of the Nuclear Regulatory Commission.

SECURITY & SUITABILITY

The sensitivity level of this position is designated as 'Moderate Risk – Non-sensitive', which requires that the selectee pass a Minimum Background Investigation (MBI) personnel investigation and receive a favorable suitability determination. For more information please visit: http://jobs.bpa.gov/How_To_Apply/faqs.cfm#18

APPLICATION PACKAGE CHECKLIST:

- Resume, cover letter, and/or other supporting material you choose to submit that fully describe your education and experience. Application must contain sufficient information to determine eligibility for the position. (Optional Application for Federal Employment (OF-612): <http://www.usajobs.opm.gov/of612.asp>).
- Applications must include the following information:**
 - o Job Announcement number, title, and grade
 - o Full legal name, mailing address, contact telephone number and email address
 - o Country of citizenship (SSN or other ID is not requested at this time)
 - o High school attended which includes name of high school and location.
 - o Employment history including unpaid positions with job title, grade (if Federal), duties and accomplishments, employer's name and address, supervisor's name and phone number, starting and ending dates (month and year), salary, and hours worked per week. Explain any gaps in employment.
 - o Indication if we may contact your current supervisor.
 - o List of other job-related training, skills, certificates and licenses, recognition, professional memberships, publications, leadership activities, or other relevant information.
- Supplemental Questionnaire (*Completion of the attached supplemental questionnaire will provide information to determine your qualification for further consideration*).
- Copy of your complete Non-Employment driving record dated within the last three months and covering the last 3 years obtained from the Dept. of Motor Vehicles. (*Failure to provide will result in a determination of not qualified and your application receive no further consideration*).
- Conditions of Employment. (*Failure to address each condition of employment, or unwillingness on any condition, will result is a determination of not qualified*).
- Geographic Availability form.
- VETERANS: To be considered for veteran's preference, a copy of your DD-214 (Member 4) is required. 10-point veterans must also provide a copy of their SF-15 and associated documentation.
- All applicants are encouraged to complete and submit BPA Form F3330-11e, Applicant Disability, Race/National Origin and Gender Identification form and Applicant Source Form located at the end of this announcement, or at http://jobs.bpa.gov/How_To_Apply/forms.cfm.

How to Submit Your Application

Applications may be emailed, faxed or mailed. Due to security requirements, we only accept hand-delivered application from individuals who currently have badge access to the building.

- **Email to:** jobs@bpa.gov with the Job Announcement Number in the subject line and on any attachments.
- **Fax to:** 503-230-3149
- **Send via US Mail to:** Bonneville Power Administration, ATTN: Human Capital Management, NHQ-1, PO Box 3621, Portland, OR 97208-3621.

You will be notified via email to confirm receipt of your application package. *Applicants should retain a copy of their application as BPA does not return applications or provide copies.* For more information on the hiring process, please refer to: http://jobs.bpa.gov/How_To_Apply/whathappens.cfm.

For more information, please refer to: http://jobs.bpa.gov/How_To_Apply/whathappens.cfm.

Additional Information

Veterans Information: <http://www.usajobs.gov/vi>

Career Transition Assistance Program/Interagency Career Transition Assistance Program

(CTAP/ICTAP): Federal employees seeking CTAP/ICTAP eligibility must submit proof that they meet the requirements of 5 CFR 330.605 (a) for CTAP and 5 CFR 330.704 for ICTAP. This includes a copy of the agency notice, a copy of their most recent Performance Rating and a copy of their most recent SF-50 noting current position, grade level, and duty location. **Please annotate your application to reflect that you are applying as a CTAP or ICTAP eligible.** For additional information please refer to <http://www.opm.gov/ctap/>

EEO Policy Statement: <http://www.usajobs.gov/eoo>

Reasonable Accommodation Policy Statement: <http://www.usajobs.gov/raps>

Legal and Regulatory Guidance: <http://www.usajobs.gov/lrg>

Forms Availability: All application materials may be obtained by calling 503-230-3230, or 1-877-975-4272 or visiting: <http://www.jobs.bpa.gov> .

**CERTIFICATION OF GEOGRAPHIC AVAILABILITY FORM
(ATTENTION - THIS CERTIFICATION MUST BE FILLED IN AND SIGNED)**

**Vacancy Announcement #: 9353-11-DE
Power System Control Craftsman Trainee, BB-2604-00
TF-Wide**

Please check all locations for which you wish to be considered. You will only be considered for selection only for the locations you check.

If you are interested in all locations, please check box #1.

1. **I WISH TO BE CONSIDERED FOR ALL LOCATIONS.**

If you are interested in specific locations only, please mark the applicable locations provided in the following boxes:

2. **CHECK YOUR AVAILILTY FOR INDIVIDUAL LOCATIONS BELOW:**

- | | |
|---|--|
| <input type="checkbox"/> Lewiston, ID | <input type="checkbox"/> Richland, WA |
| <input type="checkbox"/> Spokane, WA | <input type="checkbox"/> Snohomish, WA |
| <input type="checkbox"/> Olympia, WA | <input type="checkbox"/> Kent, WA |
| <input type="checkbox"/> Goshen, OR | <input type="checkbox"/> Redmond, OR |
| <input type="checkbox"/> The Dalles, OR | <input type="checkbox"/> Umatilla, OR |
| <input type="checkbox"/> Kalispell, MT | <input type="checkbox"/> Garrison, MT |

I CERTIFY THAT I HAVE READ THE STATEMENTS ABOVE AND UNDERSTAND I WILL ONLY BE CONSIDERED FOR THE LOCATIONS I HAVE CHECKED ABOVE

(Please print your name)

(Signature & Date)

**U.S. DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
SUPPLEMENTAL QUESTIONNAIRE**

POWER SYSTEM CONTROL (PSC) CRAFTSMAN TRAINEE

Name		VACANCY ANNOUNCEMENT NUMBER (#)	
Street Address/P.O. Box			
City/State		Zip Code	
Telephone (Day)	(Evening/Cellular)	Electronic-mail address	

TO APPLICANT: Your resume and responses to the self-assessment questions are an integral part of the process for determining your qualifications for the position. The information you provide will be used to determine your qualifications for this position. You are encouraged to complete the information in this Supplemental Questionnaire so we can determine your qualifications for this position, if we are unable to determine your qualification you will not receive consideration. Be sure your answers reflect your own actual skills and knowledge.

PRIVACY ACT INFORMATION

The Bonneville Power Administration is authorized to rate applicants for Federal jobs under the provisions of Title 5, United States Code, chapter 11, sections 1104, 1302, 3301, and 3304.

CERTIFICATION STATEMENT	
I certify that the information provided in this supplemental questionnaire is true and correct to the best of my knowledge.	
Signature	Date

**SUPPLEMENTAL QUESTIONNAIRE
PSC CRAFTSMAN TRAINEE**

Instructions

It is important to support your responses to the self-assessment questions by providing examples of past and present experience when requested. The questions have been designed to cover a wide range of skills and knowledge to insure that you receive all credit for experience to which you are entitled.

This form is very long and there can be a tendency to rush through it. There are 6 sections (Elements) to this questionnaire. Applicants for Craftsman Trainee must fill out all five sections. Read the instructions contained at the beginning of each section and in the column headings carefully.

It is to your best interest to take your time and be complete. Short descriptive answers will be adequate, but they must include all the requested information. Minimize the use of "ditto" marks

ELEMENT 1 ABILITY TO PERFORM THE WORK OF A POWER SYSTEM CONTROL CRAFTSMAN WITHOUT MORE THAN NORMAL SUPERVISION.
(THIS IS A SCREEN-OUT ELEMENT.)

YOU ARE ENCOURAGED TO INSERT ADDITIONAL SHEETS ANYWHERE WITHIN THIS SUPPLEMENTAL QUESTIONNAIRE IF YOU NEED MORE ROOM TO PROVIDE COMPLETE AND FULL DISCRPTION OF WHERE AND HOW YOU GAINED YOUR EXPERIENCES.

Questions	Employment History and Independent Work Examples
List your employment history that relates to the electronics or telecommunications field. Include dates. Attaching a separate sheet is acceptable, (i.e. a Resume).	
List several examples that illustrate your ability to work independently doing installation, maintenance, and repair of a variety of electronic and telecommunications equipment. Utilize complex examples where possible, but keep the descriptions brief. Only include examples where you have had primary responsibility and personally performed the work.	

Conditions of Employment: Occasionally, work may be performed under other than normal conditions. Failure to address each condition of employment, or unwillingness on any condition, will result in a determination of not. Please indicate whether you will or will not work under the following conditions:

WILL	WILL NOT	
_____	_____	Work under varying climatic conditions
_____	_____	Work in remote locations (may be alone)
_____	_____	Work with a team or crew
_____	_____	Work from a stepladder
_____	_____	Work around high voltage
_____	_____	Work subject to emergency call outs
_____	_____	Drive a snow cat vehicle
_____	_____	Lift and carry instruments weighing up to 80 lbs (23 kg)

ELEMENT 2 KNOWLEDGE OF THE ASSEMBLY, ADJUSTMENT, AND REPAIR OF ELECTRONIC AND COMMUNICATIONS EQUIPMENT.

- Activities:
- A. INSTALLATION - mounting and external wiring
 - B. PREVENTIVE MAINTENANCE - manufacturer's recommended or company's routine maintenance
 - C. TROUBLESHOOTING - analyzing and identifying defective assembly or subassembly
 - D. MODULE REPLACEMENT - replacement of an entire assembly or subassembly
 - E. COMMISSIONING - initial testing, assuring proper operation, and meeting manufacturer's specifications
 - F. KNOWLEDGE OF EQUIPMENT - where knowledge of equipment was obtained

Degree of Work Experience for each Activity listed:

- 0 – No experience on this piece of equipment
- 1 - Limited experience (once or twice during telecommunications/electronic work experience).
- 2 - Moderate experience (performed this work on this piece of equipment approximately 3 to 5 times performing telecommunications/electronic work).
- 3 - Experience performed on a regular and recurring basis (performed on a weekly, monthly, semi-annually or other recurring basis).

EQUIPMENT GROUPS	Use the above Activities and Number scale to indicate your degree of work experience in blocks A thru E					List manufacturer of equipment and describe how you gained your knowledge of the equipment. No credit for experience will be given without this information. References to your application are acceptable, or utilize a separate sheet of paper if necessary.
	A	B	C	D	E	
1. RF 100 MHz to 8 GHz						
MOBILE RADIO						
VHF RADIO REPEATER						
FIXED STATION UHF RADIO						
PORTABLE RADIO						
ANALOG MICROWAVE RADIO 1.8 GHZ AND ABOVE						
DIGITAL MICROWAVE RADIO 1.8 GHZ AND ABOVE						
RADAR						

Cont:

ELEMENT 2 KNOWLEDGE OF THE ASSEMBLY, ADJUSTMENT, AND REPAIR OF ELECTRONIC AND COMMUNICATIONS EQUIPMENT.

- Activities:
- A. INSTALLATION – mounting and external wiring
 - B. PREVENTIVE MAINTENANCE – manufacturer’s recommended or company’s routine maintenance
 - C. TROUBLESHOOTING – analyzing and identifying defective assembly or subassembly
 - D. MODULE REPLACEMENT – replacement of an entire assembly or subassembly
 - E. MODULE REPAIR – repairing defective components, align and test module
 - F. COMMISSIONING – initial testing, assuring proper operation, and meeting manufacturer’s specifications
 - G. KNOWLEDGE OF EQUIPMENT – where knowledge of equipment was obtained

Degree of Work Experience for each Activity listed:

- 0 – No experience on this piece of equipment
- 1 - Limited experience (once or twice during entire telecommunications/electronic work experience)
- 2 - Moderate experience (performed this work on this piece of equipment approximately 3 to 5 times performing telecommunications/electronic work).
- 3 – Experience performed on a regular and recurring basis (performed on a weekly, monthly, semi-annually or other recurring basis).

EQUIPMENT GROUPS	Use the above Activities and Number scale to indicate your degree of work experience in blocks A thru F						List manufacturer of equipment and describe how you gained your experience using the equipment. No credit for experience will be given without this information. Reference to your application is acceptable, or utilize a separate sheet if necessary
	A	B	C	D	E	F	
2. ANALOG OR DIGITAL MULTIPLEX							G
FREQUENCY DIVISION MULTIPLEX							
DIGITAL MULTIPLEX (DS1 OR T1 TYPE MULTIPLEXER)							
DACS (DIGITAL ACCESS & CROSS CONNECT SYSTEM)							
3. EMERGENCY POWER SYSTEMS							G
ENGINE GENERATORS (>10KW)							
COMMUNICATIONS BATTERY AND CHARGER (24 VDC AND GREATER)							
INVERTERS							
4. FIBER OPTICS SYSTEMS							G
DIGITAL FIBER SYSTEMS (SINGLE-MODE FIBER)							
ANALOG FIBER SYSTEMS							
FIBER OPTIC CABLE SPLICING/TESTING							

Con't

ELEMENT 2 KNOWLEDGE OF THE ASSEMBLY, ADJUSTMENT, AND REPAIR OF ELECTRONIC AND COMMUNICATIONS EQUIPMENT.

- Activities:
- A. INSTALLATION – mounting and external wiring
 - B. PREVENTIVE MAINTENANCE – manufacturer’s recommended or company’s routine maintenance
 - C. TROUBLESHOOTING – analyzing and identifying defective assembly or subassembly
 - D. MODULE REPLACEMENT – replacement of an entire assembly or subassembly
 - E. MODULE REPAIR – repairing defective components, align and test module
 - F. COMMISSIONING – initial testing, assuring proper operation, and meeting manufacturer’s specifications
 - G. KNOWLEDGE OF EQUIPMENT – where knowledge of equipment was obtained

- Degree of Work Experience for each Activity listed:
- 0 – No experience on this piece of equipment
 - 1 - Limited experience (once or twice during entire telecommunications/electronic work experience)
 - 2 - Moderate experience (performed this work on this piece of equipment approximately 3 to 5 times during telecommunications/electronic work experience).
 - 3 – Experience performed on a regular and recurring basis (performed on a weekly, monthly, semi-annually or other recurring basis).

EQUIPMENT GROUPS	Use the above Activities and Number scale to indicate your degree of work experience in blocks A thru F.						List manufacturer of equipment and describe how you gained your experience using the equipment. No credit for experience will be given without this information. Reference to your application is acceptable, or utilize a separate sheet if necessary
	A	B	C	D	E	F	
5. LINE PROTECTION RELAYING							G
POWER LINE CARRIER (USED BY POWER UTILITIES)							
TRANSFER TRIP (USED BY POWER UTILITIES)							
POWER LINE FAULT LOCATOR EQUIPMENT							
6. NETWORKING SYSTEMS AND PROTOCOLS	A	B	C	D	E	F	G
HUBS/SWITCHES/ROUTER DEVICES (COMMERCIAL APPLICATIONS)							
TCP/IP PROTOCOLS (COMMERCIAL APPLICATIONS)							
OTHER NETWORKING DEVICES/PROTOCOLS							
7. CONTROL SYSTEMS	A	B	C	D	E	F	G
PROGRAMMABLE LOGIC CONTROLLER							
SCADA RTU/SYSTEM							
ALARMS SYSTEMS							

Con't

ELEMENT 2 KNOWLEDGE OF THE ASSEMBLY, ADJUSTMENT, AND REPAIR OF ELECTRONIC AND COMMUNICATIONS EQUIPMENT

- Activities:
- A. INSTALLATION – mounting and external wiring
 - B. PREVENTIVE MAINTENANCE – manufacturer’s recommended or company’s routine maintenance
 - C. TROUBLESHOOTING – analyzing and identifying defective assembly or subassembly
 - D. MODULE REPLACEMENT – replacement of an entire assembly or subassembly
 - E. MODULE REPAIR – repairing defective components, align and test module
 - F. COMMISSIONING – initial testing, assuring proper operation, and meeting manufacturer’s specifications
 - G. KNOWLEDGE OF EQUIPMENT – where knowledge of equipment was obtained

- Degree of Work Experience for each Activity listed:
- 0 – No experience on this piece of equipment
 - 1 - Limited experience (once or twice during entire telecommunications/electronic work experience)
 - 2 - Moderate experience (performed this work on this piece of equipment approximately 3 to 5 times during telecommunications/electronic work experience).
 - 3 – Experience performed on a regular and recurring basis (performed on a weekly, monthly, semi-annually or other recurring basis).

EQUIPMENT GROUPS	Use the above Activities and Number scale to indicate your degree of work experience in blocks A thru E						List manufacturer of equipment and describe how you gained your experience using the equipment. No credit for experience will be given without this information. Reference to your application is acceptable, or utilize a separate sheet if necessary
	A	B	C	D	E	F	
8. TELEPHONE SYSTEM AND MISC. SUPPORT EQUIPMENTS							
TELEPHONE SWITCHES-PBX							
TELEPHONE KEY SYSTEMS							
DIAL ACCESS TRUNKS/SIGNALING EQUIPMENT							
TELEMETERING EQUIPMENT							

ELEMENT 3 USE OF ELECTRONIC TEST EQUIPMENT.

INSTRUCTIONS:

COLUMN A LIST OF INSTRUMENTS USED BY POWER SYSTEM CONTROL CRAFTSMAN

COLUMN B IF YOU HAVE UTILIZED INSTRUMENT, INDICATE AMOUNT OF USE, ACCORDING TO THE FOLLOWING CODES:

- (1) OCCASIONAL USE (YEARLY)
- (2) MODERATE USE (SEVERAL TIMES PER YEAR)
- (3) REGULAR USE (MONTHLY)
- (4) EXTENSIVE USE (WEEKLY)

COLUMN C INDICATE YOUR CURRENT LEVEL OF KNOWLEDGE OF THE TEST INSTRUMENT, ACCORDING TO THE FOLLOWING CODES:

- (1) BASIC KNOWLEDGE
- (2) GENERAL KNOWLEDGE (UNDERSTAND LIMITATION AND ACCURACY OF TEST INSTRUMENT)
- (3) THOROUGH KNOWLEDGE (ABILITY TO INSTRUCT OTHERS IN PROPER USE OF TEST INSTRUMENT)

COLUMN D DESCRIBE THE TYPE OF TEST YOU WERE PERFORMING AND THE MODEL NUMBER OF THE INSTRUMENT UTILIZED. THIS MUST BE COMPLETED TO BE CREDITED FOR THE USE OF THE TEST INSTRUMENT.

A.	INSTRUMENTS	B	C	D
1.	VOLT / OHM / AMP METER DIGITAL MULTIMETER			
2.	RS-232 BREAK OUT BOX			
3.	LAN/WAN SNIFFER			
4.	DYNAMIC SIGNAL ANALYZER			
5.	OSCILLOSCOPE , TYPES			
6.	SINAD METER			
7.	PAR TEST SET			
8.	BERT TEST INSTRUMENT			
9.	AUDIO SIGNAL GENERATOR (Transmission Test Set)			
10.	PROGRAMMABLE INSTRUMENTS			
11.	DIAGNOSTIC NETWORKING SOFTWARE			
12.	DTMF TEST SET			

Con't:

ELEMENT 3 USE OF ELECTRONIC TEST EQUIPMENT

INSTRUCTIONS:

COLUMN A LIST OF INSTRUMENTS USED BY POWER SYSTEM CONTROL CRAFTSMAN

COLUMN B IF YOU HAVE UTILIZED INSTRUMENT, INDICATE AMOUNT OF USE, ACCORDING TO THE FOLLOWING CODES:

- (1) OCCASIONAL USE (YEARLY)
- (2) MODERATE USE (SEVERAL TIMES PER YEAR)
- (3) REGULAR USE (MONTHLY)
- (4) EXTENSIVE USE (WEEKLY)

COLUMN C INDICATE YOUR CURRENT LEVEL OF KNOWLEDGE OF THE TEST INSTRUMENT, ACCORDING TO THE FOLLOWING CODES:

- (1) BASIC KNOWLEDGE
- (2) GENERAL KNOWLEDGE (UNDERSTAND LIMITATION AND ACCURACY OF TEST INSTRUMENT)
- (3) THOROUGH KNOWLEDGE (ABILITY TO INSTRUCT OTHERS IN PROPER USE OF TEST INSTRUMENT)

COLUMN D DESCRIBE THE TYPE OF TEST YOU WERE PERFORMING AND THE MODEL NUMBER OF THE INSTRUMENT UTILIZED. THIS MUST BE COMPLETED TO BE CREDITED FOR THE USE OF THE TEST INSTRUMENT

A.	INSTRUMENTS	B	C	D
13.	WHITE NOISE TEST SET			
14.	AUDIO SPECTRUM ANALYZER			
15.	VHF / UHF SERVICE MONITOR			
16.	VHF / UHF POWER METER			
17.	RF FREQUENCY COUNTER			
18.	RF SPECTRUM ANALYZER			
19.	RF SIGNAL GENERATOR			
20.	FREQUENCY SELECTIVE VOLTMETER			
21.	BASEBAND SPECTRUM ANALYZER			
22.	MICROWAVE POWER METER			

Con't:

ELEMENT 3 USE OF ELECTRONIC TEST EQUIPMENT.

INSTRUCTIONS:

COLUMN A LIST OF INSTRUMENTS USED BY POWER SYSTEM CONTROL CRAFTSMAN

COLUMN B IF YOU HAVE UTILIZED INSTRUMENT, INDICATE AMOUNT OF USE, ACCORDING TO THE FOLLOWING CODES:

- (1) OCCASIONAL USE (YEARLY)
- (2) MODERATE USE (SEVERAL TIMES PER YEAR)
- (3) REGULAR USE (MONTHLY)
- (4) EXTENSIVE USE (WEEKLY)

COLUMN C INDICATE YOUR CURRENT LEVEL OF KNOWLEDGE OF THE TEST INSTRUMENT, ACCORDING TO THE FOLLOWING CODES:

- (1) BASIC KNOWLEDGE
- (2) GENERAL KNOWLEDGE (UNDERSTAND LIMITATION AND ACCURACY OF TEST INSTRUMENT)
- (3) THOROUGH KNOWLEDGE (ABILITY TO INSTRUCT OTHERS IN PROPER USE OF TEST INSTRUMENT)

COLUMN D DESCRIBE THE TYPE OF TEST YOU WERE PERFORMING AND THE MODEL NUMBER OF THE INSTRUMENT UTILIZED. THIS MUST BE COMPLETED TO BE CREDITED FOR THE USE OF THE TEST INSTRUMENT

A.	INSTRUMENTS	B	C	D
23.	DS1/T1 TEST SET			
24.	NETWORK CABLE TESTER, CAT 5, CAT 8, ETC.			
25.	LOGIC ANALYZER			
26.	NETWORK ANALYZER			
27.	OPTICAL SPECTRUM ANALYZER			
28.	PROTOCOL ANALYZER			
29.	FIBER OPTICS ATTENUATOR			
30.	FIBER OPTIC SOURCES/POWER METER			
31.	FIBER OPTICS OTDR/OSA			
32.	RFI/TVI TEST EQUIPMENT			
33.	MICROWAVE SWEEP GENERATOR			
34.	MICROWAVE NOISE LOADING TEST SET			
35.	MICROWAVE LINK ANALYZER			
36.	SCADA TEST SET			

ELEMENT 4 KNOWLEDGE OF ELECTRONIC COMMUNICATION THEORY.

A. Formal Education (Circle Highest Grade Completed)	High School			College				Technical School	# of months completed _____
	8	9	1 0	1 1	1 2	1	2	3	

Degrees or certificates awarded from college or technical school: _____

ATTACH COPY OF COLLEGE OR TECHNICAL SCHOOL TRANSCRIPTS

NAME OF SCHOOL	LOCATION	DATES ATTENDED		HIGHEST DEGREE AWARDED
		FROM	TO	

Have you completed a formal Electronic Communications Apprenticeship Program? Yes _____ No _____ Which craft/trade _____

Dates Attended: _____ To _____ Length of training/Number of Years _____

From _____

Sponsored by: _____ Did you receive a certificate: Yes _____ No _____

Which of the following did the apprenticeship include? On-the-job Training _____ Classroom _____ Correspondence _____

B. List courses you have taken related to the electronic communications area including courses taken in **military, manufacturers-sponsored training, company-sponsored training, I.C.S., college, trade school, union, or others. List hours/days/or weeks of training.** (If necessary, continue on an additional sheet of paper.)
DO NOT LIST COURSES WHICH WERE A PART OF YOUR APPRENTICESHIP TRAINING.

Course Title	Type of School	Date Begin	Date Ending	Credit Hours	Classroom Hours	Pass	Fail	Quit	Brief Course Description

PSC CRAFTSMAN TRAINEE SUPPLEMENTAL QUESTIONNAIRE

Con't:

ELEMENT 4 KNOWLEDGE OF ELECTRONIC COMMUNICATION THEORY.

C. INSTRUCTIONS: IN THE BOX NEXT TO EACH THEORY, PLACE THE NUMBER WHICH DESCRIBES YOUR CURRENT LEVEL OF KNOWLEDGE.

LEVEL OF KNOWLEDGE:

1. NO KNOWLEDGE OF THAT THEORY
2. BASIC UNDERSTANDING OF THE THEORY
3. THOROUGH KNOWLEDGE AND APPLICATION OF THEORY
4. COMPREHENSIVE UNDERSTANDING AND ABILITY TO INSTRUCT OTHERS

THEORY	KNOWLEDGE NUMBER	THEORY	KNOWLEDGE NUMBER	THEORY	KNOWLEDGE NUMBER
		FIBER OPTICS SYSTEMS		ANALOG IC	
ADVANCED AC/DC THEORY		RF WAVE GUIDE SYSTEMS		SCR'S, FET'S, AND MOV'S	
INDUCTIVE / CAPACITIVE REACTANCE		RF TRANSMISSION LINE		OPERATIONAL AMPLIFIERS	
DATA TRANSMISSION THEORY		RF TRANSMITTER		CMOS, LSI, VLSI	
ANTENNA RADIATION THEORY		RF RECEIVER		MATHEMATICAL THEORY	
AUDIO POWER AMPLIFIER		RF POWER AMPLIFIER		ALGEBRA	
POWER SUPPLY		TELEPHONE SYSTEMS		VECTOR ANALYSIS	
TVI - RFI THEORY		DECIBELS		CALCULUS	
TELECOMMUNICATION		ANTENNA SYSTEMS		COMPUTER THEORY AND DATA COMMUNICATIONS	
TVI - RFI THEORY, TELECOMMUNICATIONS		RF WAVE PROPAGATION		INSTRUMENT CONTROLLERS	
MICROWAVE COMMUNICATION, TELECOMMUNICATIONS				LAN/WAN (COMMERCIAL)	
MULTIPLEX SYSTEMS, MICROWAVE COMMUNICATION		TELEPHONE SWITCHING THEORY		NETWORKING (COMMERCIAL)	
MICROWAVE MEASUREMENT MULTIPLEX SYSTEMS		SOLID STATE THEORY		NUMBER SYSTEMS - INCLUDING BINARY, HEXADECIMAL & OCTAL	
MODULATION THEORY MICROWAVE MEASUREMENT		TRANSISTOR		PROGRAMMING	
VHF / UHF COMMUNICATION SYSTEMS		DIODE		COMMUNICATIONS PROTOCOL	
		DIGITAL IC		ROUTERS, BRIDGES, HUBS	

Con't:

ELEMENT 5 KNOWLEDGE OF ELECTRONIC EQUIPMENT AND TROUBLESHOOTING PROCEDURES.

PART A

FOR EACH **KIND OF TROUBLESHOOTING** LISTED BELOW, INDICATE YOUR HIGHEST EXPERIENCE BY WRITING THE TROUBLESHOOTING TYPE NUMBER AND GIVE AN EXAMPLE THAT DEMONSTRATES THAT LEVEL OF EXPERIENCE.

TROUBLESHOOTING EXPERIENCE TYPE NUMBERS:

1. **HAVE NOT DONE**
2. **HAVE ASSISTED OR DONE WITH GUIDANCE**
3. **HAVE SHARED RESPONSIBILITY WITH OTHER TEAM MEMBERS**
4. **FULLY RESPONSIBLE FOR INDEPENDENT TROUBLESHOOTING**
5. **HAVE BEEN A TECHNICAL RESOURCE FOR OTHERS (i.e. SENIOR LEAD TECHNICIAN)**

KIND OF TROUBLESHOOTING	EXPERIENCE NO. (1-5)	GIVE AN EXAMPLE (EQUIPMENT, PROBLEM, RESOLUTION, SERVICE AWARDS, ETC.)
REPLACED MINOR COMPONENTS, USING VISUAL INSPECTION TO DETECT TROUBLE OR FAILURES		
TROUBLESHOOT EQUIPMENT TO THE CIRCUIT CARD AND REPLACE FAILED CARD (MODULE REPLACEMENT)		
TROUBLESHOOT CARDS TO THE COMPONENT LEVEL AND REPAIR BY REPLACING THE COMPONENT		
TROUBLESHOOT A COMPLETE SYSTEM INCLUDING SEVERAL SUBSYSTEMS		
TROUBLESHOOT EQUIPMENT THAT IS NEW TO YOU USING INSTRUCTION MANUALS AND DRAWINGS		
TROUBLESHOOT ELECTRONIC EQUIPMENT UNDER CONDITIONS OF LIMITED TIME (MINIMAL OUTAGE DURATION)		

Con't:

ELEMENT 5 KNOWLEDGE OF ELECTRONIC EQUIPMENT AND TROUBLESHOOTING PROCEDURES AND DOCUMENTATION.

PART A

FOR EACH **KIND OF TROUBLESHOOTING** LISTED BELOW, INDICATE YOUR HIGHEST EXPERIENCE BY WRITING THE TROUBLESHOOTING TYPE NUMBER AND GIVE AN EXAMPLE THAT DEMONSTRATES THAT LEVEL OF EXPERIENCE.

TROUBLESHOOTING EXPERIENCE TYPE NUMBERS:

1. **HAVE NOT DONE**
2. **HAVE ASSISTED OR DONE WITH GUIDANCE**
3. **HAVE SHARED RESPONSIBILITY WITH OTHER TEAM MEMBERS**
4. **FULLY RESPONSIBLE FOR INDEPENDENT TROUBLESHOOTING**
5. **HAVE BEEN A TECHNICAL RESOURCE FOR OTHERS (i.e. SENIOR LEAD TECHNICIAN)**

KIND OF TROUBLESHOOTING	EXPERIENCE NO. (1-5)	GIVE AN EXAMPLE (EQUIPMENT, PROBLEM, RESOLUTION, SERVICE AWARDS, ETC.)
TROUBLESHOOT INTERMITTENT RECURRING MALFUNCTIONS		
TROUBLESHOOT USING TEST JIGS TO DETECT TROUBLE		
TROUBLESHOOT DATA TRANSMISSION PROBLEMS (MODEMS, STAT MUX, ROUTERS, ETC.)		
DEVELOPED A TROUBLE SHOOTING PROCEDURE OR GUIDE THAT WAS UTILIZED BY OTHERS		
TROUBLESHOOT A RF PROPAGATION, INTERMOD, OR ANTENNA SYSTEM PROBLEM		
UTILIZED DIGITAL LOGIC TROUBLE SHOOTING TECHNIQUES		

Con't:

ELEMENT 5 KNOWLEDGE OF ELECTRONIC EQUIPMENT AND TROUBLESHOOTING PROCEDURES AND DOCUMENTATION.

PART B

LIST OF DOCUMENTATION	YES	NO	INDICATE HOW YOU HAVE USED THE DOCUMENTATION, FOR WHAT PURPOSE, AND WHAT KIND OF EQUIPMENT WAS INVOLVED
1. EQUIPMENT INSTRUCTION BOOKS			
2. EQUIPMENT ELECTRICAL WIRING DIAGRAMS			
3. EQUIPMENT CABLING DIAGRAMS			
4. EQUIPMENT TEST DOCUMENTATION			
5. EQUIPMENT SPECIFICATIONS			
6. EQUIPMENT FLOOR PLANS			
7. JACKFIELD WIRING DIAGRAMS			
8. WAVE GUIDE ROUTING DIAGRAMS			
9. SITE DEVELOPMENT DRAWINGS			
10. SIGNAL FLOW DIAGRAMS			
11. BLOCK AND LEVEL DIAGRAMS			
12. PROVISION RECORDS ON DIGITAL SYSTEMS			

Con't:

ELEMENT 5 KNOWLEDGE OF ELECTRONIC EQUIPMENT AND TROUBLESHOOTING PROCEDURES AND DOCUMENTATION.

PART B

LIST OF DOCUMENTATION	YES	NO	INDICATE HOW YOU HAVE USED THE DOCUMENTATION, FOR WHAT PURPOSE, AND WHAT KIND OF EQUIPMENT WAS INVOLVED
13. SINGLE LINE DIAGRAMS			
14. DIGITAL LOGIC DIAGRAMS			
15. CIRCUIT SCHEMATIC DIAGRAMS			
16. CROSS CONNECT DIAGRAMS OR CIRCUIT LAYOUT RECORD CARDS			
17. SYSTEM TEST PLAN			
18. COMMUNICATION TOWER ASSEMBLY AND ERECTION PLANS			
19. PASSIVE REFLECTOR PLOT PLANS, ASSEMBLY DRAWING			
20. INSTALLATION HARDWARE DRAWINGS			
21. CIRCUIT MODIFICATION DIAGRAMS			
22. MAINTENANCE PROCEDURES			
23. FACTORY FIELD CHANGES			
24. WORK STATEMENTS/ PROJECT DIAGRAMS			

Applicant Source Form

The Bonneville Power Administration's Human Capital Management office has an ongoing process improvement objective associated with recruitment and outreach strategies. In order for us to assess the effectiveness of our current advertising and Recruitment efforts, please identify how you learned about this job by marking the appropriate box below:

Vacancy Announcement Number
9353-11-DE

Position Title, Series, Grade
Power System Control Craftsman Trainee, BB-
2604-00

BPA Website

USAJOBS Website

Job Board (CareerBuilder, Craigslist, Employment Dept, etc.)

(please specify): _____

Industry Website or Event (National Institute of Government Purchasers, GreenDrinks, etc.)

(please specify): _____

Social Media Website (Facebook, LinkedIn, etc.)

(please specify): _____

Career Fair (campus events, community event)

(please specify): _____

BPA employee

Other (please specify): _____

ETHNICITY AND RACE IDENTIFICATION

(Please read the Privacy Act Statement and instructions before completing form.)

Name (Last, First, Middle Initial)

Agency Use Only

Privacy Act Statement

Ethnicity and race information is requested under the authority of 42 U.S.C. Section 2000e-16 and in compliance with the Office of Management and Budget's 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity. Providing this information is voluntary and has no impact on your employment status, but in the instance of missing information, your employing agency will attempt to identify your race and ethnicity by visual observation.

This information is used as necessary to plan for equal employment opportunity throughout the Federal government. It is also used by the U. S. Office of Personnel Management or employing agency maintaining the records to locate individuals for personnel research or survey response and in the production of summary descriptive statistics and analytical studies in support of the function for which the records are collected and maintained, or for related workforce studies.

Specific Instructions: The two questions below are designed to identify your ethnicity and race. **Regardless of your answer to question 1, go to question 2.**

Question 1. Are You Hispanic or Latino? (A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.)

Yes No

Question 2. Please select the racial category or categories with which you most closely identify by placing an "X" in the appropriate box. Check as many as apply.

RACIAL CATEGORY (Check as many as apply)	DEFINITION OF CATEGORY
<input type="checkbox"/> American Indian or Alaska Native	A person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.
<input type="checkbox"/> Asian	A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.
<input type="checkbox"/> Black or African American	A person having origins in any of the black racial groups of Africa.
<input type="checkbox"/> Native Hawaiian or Other Pacific Islander	A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
<input type="checkbox"/> White	A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.